



**STATE OF TENNESSEE**  
**DEPARTMENT OF ENVIRONMENT AND CONSERVATION**  
**DIVISION OF UNDERGROUND STORAGE TANKS**  
**TECHNICAL GUIDANCE DOCUMENT - 004**

**EFFECTIVE DATE - AUGUST 29, 1991**  
**REVISED DATE - JULY 8, 1993**  
**REVISED DATE - AUGUST 1, 1996**

**RE: REQUIREMENTS FOR FREE PRODUCT REMOVAL**

The purpose of this document is to assist the regulated community in understanding the requirements for free product (nonaqueous phase liquid) removal defined under Rule 1200-1-15-.06(5). Situations which require free product removal are:

1. A measured thickness greater than 0.01 feet of free product in a well;
2. The presence of product on a surface body of water; or
3. The presence of product on the ground or within a subsurface structure.

An eligible owner or operator conducting UST corrective actions is entitled to coverage of reasonable costs from the Tennessee Petroleum Underground Storage Tank Fund, subject to Rule 1200-1-15-.09(11)(a), which states:

Upon confirmation of a release in accordance with rule 1200-1-15-.05(3) or after a release from the UST system is identified in any other manner, owners and operators must perform initial response actions required in rule 1200-1-15-.06(2), initial abatement measures required in rule 1200-1-15-.06(3)(a)1. through 4. and rule 1200-1-15-.06(3)(b), and initial free product removal according to rule 1200-1-15-.06(5) and rule 1200-1-15-.06(3)(a)6. necessary to properly stabilize a site and to prevent significant continuing damage to the environment or risk to human health.

Therefore, failure to comply with the requirements of this Technical Guidance Document may result in the loss of Fund coverage.

When the presence of free product is observed on ground water, an active system capable of continuous free product removal shall be installed within forty-eight (48) hours, unless otherwise specified by the Division. The minimum objective for the design of the removal system is to prevent the migration of free product.

Where surface water is impacted, petroleum absorbent materials such as booms and pads shall be installed and replaced whenever necessary. Flammable products shall be handled in a safe and competent manner to prevent fires or explosions.

Unless directed to do otherwise by the Division, prepare and submit, within 45 days after confirming the presence of free product, the attached Free Product Removal Report. The report shall then be submitted quarterly or as directed by the Division until free product (as described above) is no longer present or a corrective action system is operational.

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**FREE PRODUCT REMOVAL REPORT**  
**Effective August 1, 1996**

The following information must be provided within forty-five (45) calendar days of the discovery of free product in accordance with Rule 1200-1-15-.06(5)(d). Each item shall be addressed in a typewritten report.

When the presence of free product is observed on ground or surface water, an active system capable of continuous free product removal shall be installed within forty-eight (48) hours, unless otherwise specified by the Division. The minimum objective for the design of the removal system is to prevent the migration of free product. When surface water is impacted, petroleum absorbent materials such as booms and pads shall be installed and replaced whenever necessary. Flammable products shall be handled in a safe and competent manner to prevent fires or explosions.

1. Facility ID # : \_\_\_\_ - \_\_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_\_
2. Facility Name:
3. Date free product discovered:
4. Date free product removal system operational:
5. Name, affiliation and telephone number of the person(s) responsible for implementing the free product removal measures:
6. Describe the estimated quantity, type and thickness of free product measured in wells, boreholes and excavations.
7. Describe the type of free product recovery system installed.
8.
  - a. Indicate the location of any discharge taking place on-site or off-site during the recovery operation (If none, proceed to item 9).
  - b. Describe the type of treatment applied to, and the effluent quality expected from, any discharge.
  - c. Describe the steps that have been or are being taken to obtain necessary permits for any discharge.
9. Describe the method for disposal of recovered free product.
10. Provide the gallons of free product removed during the reporting period and the total gallons removed to date.

## Signature Page

A signature page, as shown below shall be attached to the FPRR. The page shall be signed by the owner/operator (or authorized representative within the organization) and a registered professional geologist under the Tennessee Geologist Act (*T.C.A. §62-36-101 et seq.*), or a registered professional engineer under the Tennessee Architects, Engineers, Landscape Architects and Interior Designer Law and Rules (*T.C.A. §62-2-101 et seq.*).

We, the undersigned, certify under penalty of law, including but not limited to penalties for perjury, that the information contained in this report form and on any attachments, is true, accurate and complete to the best of our knowledge, information, and belief. We are aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for intentional violations.

\_\_\_\_\_  
Owner/Operator (Print name)      Signature      Date

\_\_\_\_\_  
Title (Print)

\_\_\_\_\_  
P.E. or P.G. (Print name)      Signature      Date

\_\_\_\_\_  
Tennessee Registration #

Note: Each of the above signatures shall be notarized separately with the following statement.

STATE OF \_\_\_\_\_ COUNTY OF \_\_\_\_\_

Sworn to and subscribed before me by \_\_\_\_\_ on this date

\_\_\_\_\_. My commission expires \_\_\_\_\_.

\_\_\_\_\_  
Notary Public (Print name)      Signature      Date

Stamp/Seal